

**Abstract**

In a power generator unit composed of a drive motor and a generator, particularly a diesel engine and a synchronous generator with a stationary rotor winding (28) and permanent magnets (35) arranged in the rotor (29), for excitation of the generator, its rotor (29) forms the flywheel of the diesel engine, as an external rotor, and its stator (11), arranged within the rotor, carries the rotor winding (28).

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